

Title (en)  
CIRCULAR SAW BLADE WITH GROUP TOOTHING

Title (de)  
KREISSÄGEBLATT MIT GRUPPENVERZÄHNUNG

Title (fr)  
LAME DE SCIE CIRCULAIRE COMPRENANT UNE DENTURE DE GROUPES

Publication  
**EP 3075480 B1 20190814 (DE)**

Application  
**EP 16162664 A 20160329**

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Abstract (en)  
[origin: CN106041208A] The invention relates to a circular saw blade having cutting teeth arranged in groups (I, II) on its periphery, each group comprising at least three cutting teeth (1, 2, 3). In the front view, the first teeth (1) are symmetrically constructed along the cutting sequence, and the second teeth and the third teeth (2, 3) are asymmetrically constructed in a changing side manner. A first angular pitch ( $\langle \text{Tau} \rangle 1$ ) is set between cutting edges (10, 20) of the first teeth (1) and of the second teeth (2), a second angular pitch ( $\langle \text{Tau} \rangle 2$ ) is set between cutting edges (20, 30) of the second teeth (1) and of the third teeth (2), and a third angular pitch ( $\langle \text{Tau} \rangle 3$ ) is set between the cutting edge (30) of the last tooth (3) in the first group (I) and the cutting edge (10) of the first tooth (1) of the latter group (II). The invention is characterized in that the asymmetric teeth (2, 3) are combined into a first tooth pair (Z1) and the second angular pitch ( $\langle \text{Tau} \rangle 2$ ) is smaller than the first angular pitch ( $\langle \text{Tau} \rangle 1$ ).

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Cited by  
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